



## *Commander's Environmental Management Review Board (CEMRB)*

*Chair:* [REDACTED]

*Facilitator:* [REDACTED]

*23 May 2018*



# *Agenda*

- Environmental Management System (EMS)
- Status of Installations FY17 Objectives and Targets and proposed Objectives and Targets for FY18
  - MCB Camp Butler
  - MCAS Futenma
  - MCB Hawaii
  - MCAS Iwakuni
  - CATC Camp Fuji
  - Camp Mujuk
- Closing Comments



# *Environmental Management System (EMS)*

- EMS is required by Executive Order 13693 and MCO P5090.2A
- MCIPAC EMS Key Components
  - MCIPACO 5090.1 EMS
  - MCIPAC CG's Statement: Building Readiness in the MCIPAC Team
  - Annual Management Review (CEMRB)
- Installation-Level EMS
  - Risk Ranking
  - Objectives and Targets
  - Operational Controls (SOPs, etc)
  - Checking and Corrective Action (ECEs)
  - Cross Functional Teams (EMS Core Teams)



# *Environmental Compliance Evaluations*

- Purpose is to assess environmental compliance status and recommend appropriate corrective actions
- Installations are on a on 3-year cycle.
- Next ECE dates:
  - MCB Hawaii: Jan 2019
  - Camp Butler/MCAS Futenma: Mar 2020
  - Camp Mujuk: Mar 2020
  - CATC Camp Fuji: Apr 2020
  - MCAS Iwakuni: Apr 2020



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# *Environmental Compliance Evaluations*



- MCBB Benchmark ECE conducted in March 2017
- Total of 106 findings
  - 51 Closed (deficiency has been corrected)
  - 55 In Progress (responsible person has taken action)

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# *Environmental Compliance Evaluations*



- Finding Types:
  - 40 Class I Findings- A violation of applicable JEGS
  - 0 Class II Findings- Not in compliance with future JEGS after the date the requirement is enacted.
  - 53 Class III Findings- Failure to follow non-punitive provisions of applicable standard operating procedures, MCO, Department of the Navy and Department of Defense directives, or poor management practices.
  - 13 Management Practice Findings- General recommendations that promote more effective, efficient, and safer ways to maintain environmental compliance. These may reference practices and procedures identified at other Marine Corps or Federal installations.



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# MCB Camp Butler



## FY17 EMS Objectives & Targets

Objective	Target(s)	Status
1. Spill Prevention, Training, and Response	A. Increase personnel awareness of spill prevention and response through training, education, and outreach B. Conduct a spill drill aboard all camps	A. Met B. Not met
2. Hazardous Waste Disposal Risks and Transition	A. Continue to conduct 100% review of all hazardous waste disposal documentation B. Effectively transition HW operations from DLA Service Provider to MCB Camp Butler	A. Met B. Met
3. Pollution Prevention Initiatives and Awareness	A. Full implementation of the Authorized Use List Working Group B. Advance HM and HW reduction initiatives & re-use awareness	A. Met B. Met
4. Natural and Cultural Resource Awareness	Develop multimedia outreach and education campaign about Okinawa's Natural and Cultural Resources	Met

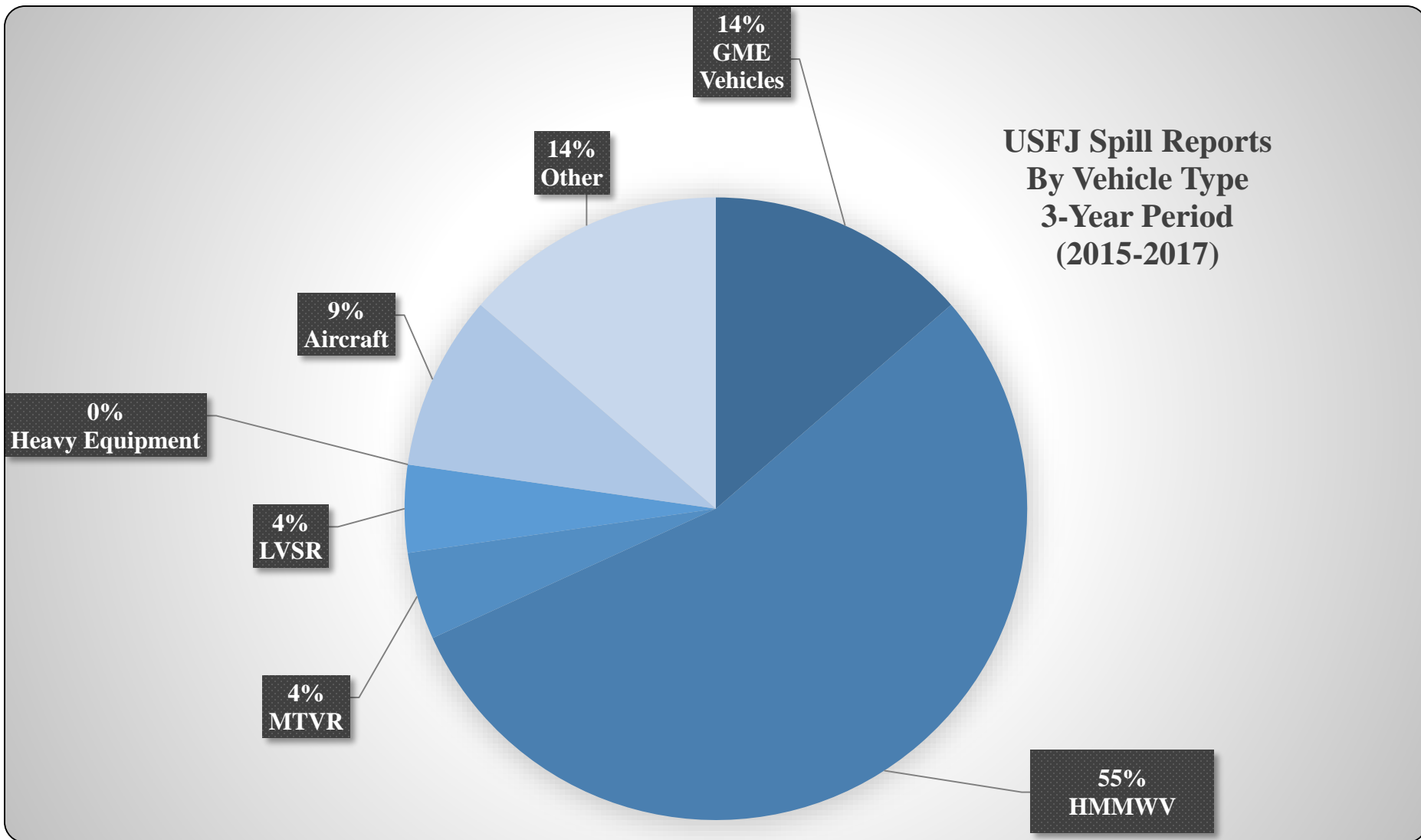
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# *MCB Camp Butler*

## *Lessons Learned*



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# ***MCB Camp Butler Successes***

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**Corrective measures to better prepare for POL spills from GOV vehicles.**

- Sept/Oct 2017 Env Camp/Station Staff conducting random GOV/Tactical Vehicle Spill Kit Checks

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# *MCB Camp Butler Training Outreach*



- Environmental Training Section has trained over 1,300 Marines and civilian personnel.
  - Initial Environmental Compliance Course (ECC)
  - Refresher ECC
  - Hazardous Waste Operations and Emergency Response
- ECC courses are conducted by both U.S. and Japanese instructors.

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# *MCB Camp Butler Training Outreach*



- Over 3,500 Military, DoD personnel, and their families have received an Environmental Awareness Briefing. The briefings are given at:
  - New Join Marines briefing
  - Town Hall meetings
  - Barracks Managers briefing
  - UDP/RSO Brief
  - III MEF Family Readiness Command Team Advisor Forum
  - New Family Orientation.

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# *MCB Camp Butler/MCAS Futenma*

## *FY18 EMS Objectives & Targets*



Objective	Target(s)
1. MCIPAC Overseas Drinking Water (ODW) Program	<ul style="list-style-type: none"><li>A. Establish ODW Program through signed MCIPAC order and implement Executive Water Quality Board (EWQB), Regional Water Quality Board (RWQB), and all Installation Water Quality Boards (IWQB).</li><li>B. Award contract and perform Sanitary Surveys at MCB Butler/MCAS Futenma, CATC Camp Fuji, and Camp Mujuk.</li></ul>
2. Spill Prevention, Training, and Response	<ul style="list-style-type: none"><li>A. Develop a Standard Operating Procedure (SOP) for Aboveground Storage Tank (AST) Inspections.</li><li>B. Conduct new AST SOP training to 4 maintenance shops to include proper inspection report record keeping.</li><li>C. Conduct quarterly classroom spill response training events for unit environmental representatives (UER) aboard each camp/station.</li><li>D. Conduct two hands-on spill response training events for UERs aboard each camp/station.</li></ul>
3. Pollution Prevention	<ul style="list-style-type: none"><li>A. Develop initiative to recycle secure-shred white paper.</li><li>B. Identify alternative media for sand blasting acceptable to Corrosion Rehab Facility.</li></ul>



# *MCAS Futenma Status*

## *FY17 EMS Objectives & Targets*



Objective	Target(s)	Status
1. Ensure Spill Readiness	<p>A. Increase spill response awareness by conducting station-wide spill drill.</p> <p>B. Ensure units have conducted specific spill training and assist units with specific spill scenario training.</p>	<p>A: Not Met</p> <p>B: Met</p>
2. Promote respect for local Okinawan community through Cultural Properties Education	Increase awareness of MCAS Futenma cultural assets and Okinawan Culture through a multi-faceted educational campaign.	Met



# *MCB Hawaii Status*

## *FY17 EMS Objectives & Targets*

Objective	Target(s)	Status
1. Ensure installation readiness to respond to spills	Update the MCBH Integrated Contingency Plan (ICP)	In Progress: Projected completion date 30 November 2018
2. Assess current landfill operations and determine ability to meet future regulatory requirements	A. Conduct interviews and site visits for draft Landfill Optimization Study	Target A: Completed
	B. Finalize Landfill Optimization Study	Target B: Completed



# *MCB Hawaii Status*

## *FY17 EMS Objectives & Targets*

Objective	Target(s)	Status
3. Ensure regulatory compliance with Federal, State and DoD requirements for all waste types, Recyclable Material, Universal Waste, RCRA Hazardous Waste and Non-Regulated Waste	A. Schedule local installation-wide hazardous waste management training  B. Conduct local hazardous waste awareness and management training (15 classes) for tenant and activity personnel managing hazardous waste	Target A: Completed  Target B: Completed
4. Ensure unit environmental compliance and training requirements are met	A. Schedule and conduct six bi-monthly meetings with installation tenant and activities Unit Environmental Compliance Coordinators (ECC)  B. Conduct six bi-monthly Unit ECC meetings	Target A: Completed  Target B: Completed



# MCB Hawaii



## *FY18 EMS Objectives & Targets*

Objective	Target(s)	Status
1. Update universal waste management to conform with new Hawaii Administrative Rule	A. Develop standard operating procedures (SOP) to manage electronic waste (E-Waste) as universal waste B. Notify tenants and practice owners of requirement through training, base announcements, and ECC meetings	Target A: In Progress, on track for 30 June 2018 completion  Target B: In Progress, on track for October 2018 completion
2. Maintain compliance with federal and state law for all waste disposal	A. Award new base hazardous waste support contract B. Update Hazardous Waste Management Plan	Target A: In Progress, on track for August 2018 completion  Target B: In Progress, on track for September 2018 completion





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# MCB Hawaii



## FY18 EMS Objectives & Targets

Objective	Target(s)	Status
3. Streamline Qualified Recycling Program (QRP) processes	A. Upgrade aging equipment B. Renovate recycling center C. Develop SOP to accept and process Army and Navy brass	Target A: In Progress, on track for June 2018 completion Target B: In Progress, on track for 31 May 2018 completion Target C: In Progress , on track for 30 July 2018 completion
4. Ensure unit environmental compliance and training requirements are met (FY17 Repeat)	A. Provide assist visits to 60 sites by the end of FY18 B. Ensure base-wide participation in ECC meetings	Target A: In Progress, on track for FY 18 completion Target B: In Progress, on track for FY 18 completion
5. Ensure installation spill response readiness (FY17 Carryover)	A. Update the MCBH Integrated Contingency Plan B. Participate in National Preparedness for Response Exercise Program (PREP) Spill Response Exercise	Target A: In Progress, on track for 30 November 2018 completion Target B: Complete

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# MCAS Iwakuni Status

## FY17 EMS Objectives & Targets



Objective	Target(s)	Statuses
1. Bring on-water spill capabilities at installation port to “full mission capable”	A. Purchase, repair or upgrade existing on-water spill response equipment.	<p><b>Measure A:</b> On-water spill equipment levels adequate and satisfactory condition;</p> <p><b>Completed-</b> Received New engine for skimmer boat.</p> <p><b>Completed-</b> Received 1 {permanent} boom reel</p> <p><b>Pending-</b> (Return/Replace) 1 Boom reel received @ depo damaged. <b>Status unknown</b></p> <p><b>Pending-</b> Order {deployable} boom. Est. May FY18.</p>
	B. Conduct on-water Facility Response Training (FRT).	<p><b>Measure B:</b> Increased training opportunities for Port Operation personnel.</p> <p><b>Completed-</b> (4) Semi-Annual FRT exercises scheduled for FY19.</p> <p><b>Completed-</b> ENV contracting for FY18 additional scheduled on-water response trainings (1 for Port Ops, 1 for Maint, 1 for Seabees and Road/Grounds MLCs).</p>
	C. Update all spill response plans and procedures	<p><b>Measure C:</b> (ENV) updated/published SPRP. (LOG) incorporate needed recommendations from FRT exercise report.</p> <p><b>Completed-</b> FRT report received, procedures updated and XO briefed 6 March 2018.</p> <p><b>In-Process-</b> SPRP submitted for CO approval, currently under review by Legal.</p>



# *MCAS Iwakuni Status*

## *FY17 EMS Objectives & Targets*



Objective	Target(s)	Statuses
2. Management of North Pond (Carried Over-FY15)	A. Conduct Engineering Study on Needed Pond Improvements	<b>Measure A:</b> Improvement options made available or project initiated for improvements based on study. <b>In-process-</b> Determining funding source for A/E Study to support execution of N. Pond Gate and Dredging Projects in FY19. (ECD?)



# MCAS Iwakuni Status

## FY17 EMS Objectives & Targets



Objective	Target(s)	Statuses
3. Improve Life Cycle HM Management and Minimization processes and procedures	A. Development and Implementation of new HWAP procedures	<p><b><u>Measure A</u></b>: Implemented new HWAP procedures &amp; training conducted for flight line units by Q2 FY18, &amp; installation implemented by Q4 FY18.</p> <p><b>Completed</b>- installation implemented Dec 2017.</p>
	B. Improve HM Inventory Management (LOGS)	<p><b><u>Measure B1</u></b>: Revision and publication of HM MCASO 4440.6A</p> <p><b>In-Process</b>- revision of Order 4440.6A (Est. Cmpltd TBD)</p> <p><b><u>Measure B2</u></b>: Revision of local SOP @ HAZMIN.</p> <p><b>Completed</b>- revision of SOPs</p> <p><b><u>Measure B3</u></b>: Optimize stock @ HAZMIN to support customers</p> <p><b>Completed</b>- stock optimized and now being maintained</p>



# MCAS Iwakuni Status

## FY17 EMS Objectives & Targets



Objective	Target(s)	Statuses
4. CETEP Reimplementation		<b><u>Measure A:</u></b> TNA conducted for installation.  <b>In-Process-</b> TNA data collection 25% completed. Final deliverable in Q4 of <b>FY18</b>
	A. Conduct Training Needs Analysis (TNA)	<b><u>Measure B:</u></b> Final copy of CETEP Plan received.  <b>In-Process-</b> Funding secured. Draft Plan Est. delivery (Jul). Final deliverable in Q4 of <b>FY18</b>
	B. Update CETEP Plan  C. Develop SAT Standard Curriculum based on MCI West	<b><u>Measure C1:</u></b> CETEP Coord. Attends CDC Course  <b>In-Process-</b> Scheduled to attend Curriculum Development Course Aug 2018  <b><u>Measure C2:</u></b> Developed Local HW Course (SAT standard)  <b>Pending-</b> awaiting HW Program updates (HWMP and SOPs) ( <b>Est. FY19</b> )  <b>In-Process-</b> SOW accepted for contracted help from Army Corps to assist w/CETEP coursework. Est. Aug FY18 execution.



# MCAS Iwakuni



## FY18 EMS Objective & Targets

Objective	Target(s)
<p>1. Installation-wide Solid Waste Separation</p> <p>-FY18-</p>	<p>A. Development SW Separation policies and procedures</p> <ul style="list-style-type: none"><li>▪ <i>Measure #1</i>: Updated SW Management Plan with new separation policies</li><li>▪ <i>Measure #2</i>: Developed ESOP for installation separation</li></ul> <p>B. 100% Operations and Maintenance Facilities incorporate new SW separation policy</p> <ul style="list-style-type: none"><li>▪ <i>Measure #1</i>: Phasing plan developed for all O&amp;M facilities</li><li>▪ <i>Measure #2</i>: All separation materials issued to O&amp;M facilities</li></ul>



# MCAS Iwakuni

## FY18 EMS Objective & Targets



Objective	Target(s)
2. Re-establishment of the Qualified Recycling Program (QRP)  -FY18-	<p>A. Re-establishment of the QRP Committee <i>Measure #1:</i> Developed QRP Committee Charter <i>Measure #2:</i> Hold 4 quarterly meetings in FY18</p> <p>B. Fully-staffed Recycle Center <i>Measure #1:</i> Fill current open positions, either IHA or WG <i>Measure #2:</i> Conduct workload assessment then advertise and hire additional identified staff (as needed)</p> <p>C. Recycle Center Equipment Repair and Procurement <i>Measure #1:</i> Have a fully-operational can crusher <i>Measure #2:</i> Procure an industrial shredder to support additional commodities</p>





# *CATC Camp Fuji Status FY17 EMS Objectives & Targets*

Objective	Target(s)	Status
1. Update Potable Water Master Plan	Complete update of CATC Fuji's Potable Water Master Plan with NAVFAC FE Yokosuka by the end of fiscal year	Target: In progress New fund request submitted as STEP project
2. Reduce hazardous waste disposal cost by purchasing portable antifreeze recycling machines	Purchase antifreeze portable recycling machines for Mobile Engineering Platoon (MEP) by the end of FY17	Target: Not Met Quantity generated at MEP too small. Not cost effective Cancelling this objective
3. Spill Prevention, Training, and Response	A) Increase awareness of spill prevention and response through training, education, and outreach B) Conduct a spill drill	Target A) Met Monthly flyers distributed Training of HWAP manager Target B) Met 16 Feb 2017





# *CATC Camp Fuji*

## *FY18 EMS Objectives & Targets*

Objective	Target(s)
1. Continue Updating Potable Water Master Plan	Continue updating CATC FUJI's Potable Water Master Plan with NAVFAC FE Yokosuka by the end of fiscal year
2. Reduce hazardous waste disposal cost by reducing expired hazardous materials	Reduce 50% of the expired hazardous materials disposal cost compared to FY 17



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# *CATC Camp Fuji Spill Drill with JGSDF Aviation Section*



*Joint Spill Drill with Japanese Ground Self Defense Force (JGSDF)  
Aviation Section on 16 Feb 2017  
Spill from the JGSDF Helicopter*

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# Camp Mujuk



## FY17 EMS Objectives & Targets

Objective	Target(s)
1. FY16 O&T Carried Over	<ul style="list-style-type: none"><li>A. HM/HW Storage Containers (<i>Completed; Delivered</i>)</li><li>B. Development of DD1391 for Wastewater Treatment Plant Upgrade (<i>Completed</i>)</li><li>C. Identify potential recycling partners (<i>Completed</i>)</li><li>D. Determine feasibility of Qualified Recycling Program (QRP) (<i>Completed</i>)</li></ul>
2. EMS Program Implementation ( <i>To be Carried Over to FY18</i> )	<ul style="list-style-type: none"><li>A. Update PAI (Practice, Aspects, and Impacts) Inventory</li><li>B. Conduct EMS Audit (<i>Completed by HQMC</i>)</li><li>C. Completion of ECPSOP (Environmental Compliance and Protection SOP) documentation</li></ul>
3. Formalize Authorized Use List (AUL) Procedures	<ul style="list-style-type: none"><li>A. Establish AUL Working Group (<i>Completed</i>)</li><li>B. Publish bilingual SOP (Instruction) and standardize process for authorization of hazardous material usage, storage, and disposal (<i>Completed</i>)</li><li>C. Implement initial and sustainment training for HM authorized users (<i>On-going</i>)</li></ul>



# Camp Mujuk



## FY17 EMS Objectives & Targets

Objective	Target(s)
4. Regulatory Compliance in Hazardous Waste Management	<p>A. Complete HW Management Plan <i>(90% Reviewed)</i></p> <p>B. Identify and train applicable personnel in hazardous waste handling and management <i>(Completed)</i></p> <p>C. Implement HWAP and HW Handling and Storage best practices <i>(Completed)</i></p>
5. Spill Prevention, Awareness, and Training	<p>A. Update inventory of equipment containing hazardous substance(s). <i>(Completed)</i></p> <p>B. Update maintenance SOP's to include spill prevention tactics, techniques, and procedures <i>(Completed)</i></p> <p>C. Implement awareness and best practice training for visiting units <i>(Completed)</i></p> <p>D. Formalize SP training schedule and external trainer agreements <i>(Completed)</i></p>



# Camp Mujuk



## FY18 EMS Objectives & Targets

Objective	Target(s)
1. EMS Program Implementation (FY17 O&T Carried Over)	<ul style="list-style-type: none"><li>A. Update PAI (Practice, Aspects, and Impacts) Inventory</li><li>B. Conduct Self-EMS &amp; ECE Audit in April</li><li>C. Completion of ECPSOP (Environmental Compliance and Protection SOP) documentation by 30 Nov</li></ul>
2. Develop Plans Related to Drinking Water	<ul style="list-style-type: none"><li>• Plans to be developed as follow:<ul style="list-style-type: none"><li>- Potable Water Master Plan</li><li>- Emergency Contingency Plan</li><li>- Conduct Sanitary Survey</li><li>- Conduct Vulnerability Assessment</li></ul></li></ul>
3. Enhance Communication with Deploying Units	<ul style="list-style-type: none"><li>A. Develop Continuity Binder for Visiting</li><li>B. Update Welcome Aboard Presentation to Include Spill Response Procedures and Prevention Techniques.</li></ul>



## *Closing Comments*

- Support FY18 Objectives and Targets and working groups
- Emphasize the following to your units and tenants:
  - Maintain clean, well managed hazardous waste accumulation areas
  - Employ UERs to their full extent
  - Support recycling program in living and work areas, especially in barracks



## *Environmental Directors/Coordinators*

- MCB Hawaii – [REDACTED]
- MCAS Iwakuni – [REDACTED]
- CATC Camp Fuji – [REDACTED]  
[REDACTED]
- Camp Mujuk – [REDACTED]
- MCAS Futenma – [REDACTED]
- Camp Kinser – [REDACTED]
- Camp Foster/Lester – [REDACTED]
- Camp Hansen/Courtney/Ie Shima – [REDACTED]  
[REDACTED]
- Camp Schwab/JWTC – [REDACTED]